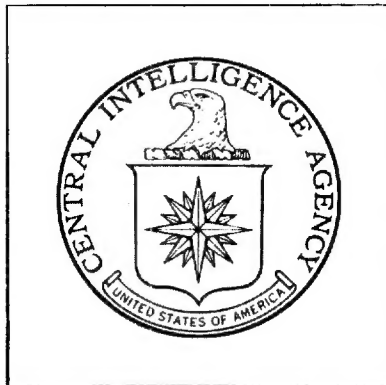


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**DIRECTORATE OF
INTELLIGENCE**

**Declass Review by
NIMA / DoD**

Imagery Analysis Report

Crimean Astrophysical Observatory

Simeiz, USSR



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DDI/IAR 85008

DATE JULY 1967

COPY 107

PAGES 13

Next 1 Page(s) In Document Exempt

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8 August 1967

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ERRATUM FOR DDI/IAR 85006,

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1. Page 3, paragraph 1, line 7; change coordinate 85-54E to read 84-54E.

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CRIMEAN ASTROPHYSICAL OBSERVATORY, SIMEIZ, USSR

SUMMARY

This is one in a series of studies covering selected astronomical observatories within the USSR. The most important and unusual facility at this observatory is the radiotelescope antenna created by excavating the hillside to form a parabolic dish. This observatory was started and was completed

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INTRODUCTION

The Crimean Astrophysical Observatory (44-24N 33-58E) is located on the coast of the Black Sea approximately 10 nautical miles (nm) southwest of Yalta, USSR (Figure 1).

The observatory has facilities for optical and radioastronomical observations. Figures 2 through 5 show the chronological development of this installation [REDACTED] Figure 6 is a line drawing based on photography [REDACTED] Figure 7 is [REDACTED] showing two views of the parabolic dish formed by excavation. The surface of the bowl was reportedly coated with concrete and metallized by dusting it with zinc. 1/

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All measurements have been made by the NPIC Technical Intelligence Division and are considered to be accurate within ± 10 feet or 10% whichever is greater. This accuracy statement holds only on the basis that the corners of the buildings were located correctly. In most cases these locations had to be estimated as the imagery was of poor quality.

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CHRONOLOGY

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Construction of this observatory was started [redacted] at which time the installation consisted of approximately 18 buildings and the earthen parabolic antenna. Analysis of coverage [redacted] indicated that construction was continuing, but no significant changes were noted [redacted] the installation appeared to be complete with at least 37 buildings, one optical telescope, and two parabolic antennas. Photography [redacted] revealed that the observatory remained relatively static with no significant changes. Coverage [redacted] revealed that the two large buildings east of the optical telescope had been completed. No new construction activity was evident on photography [redacted] However a large building north of the optical telescope was first observed on photography [redacted]

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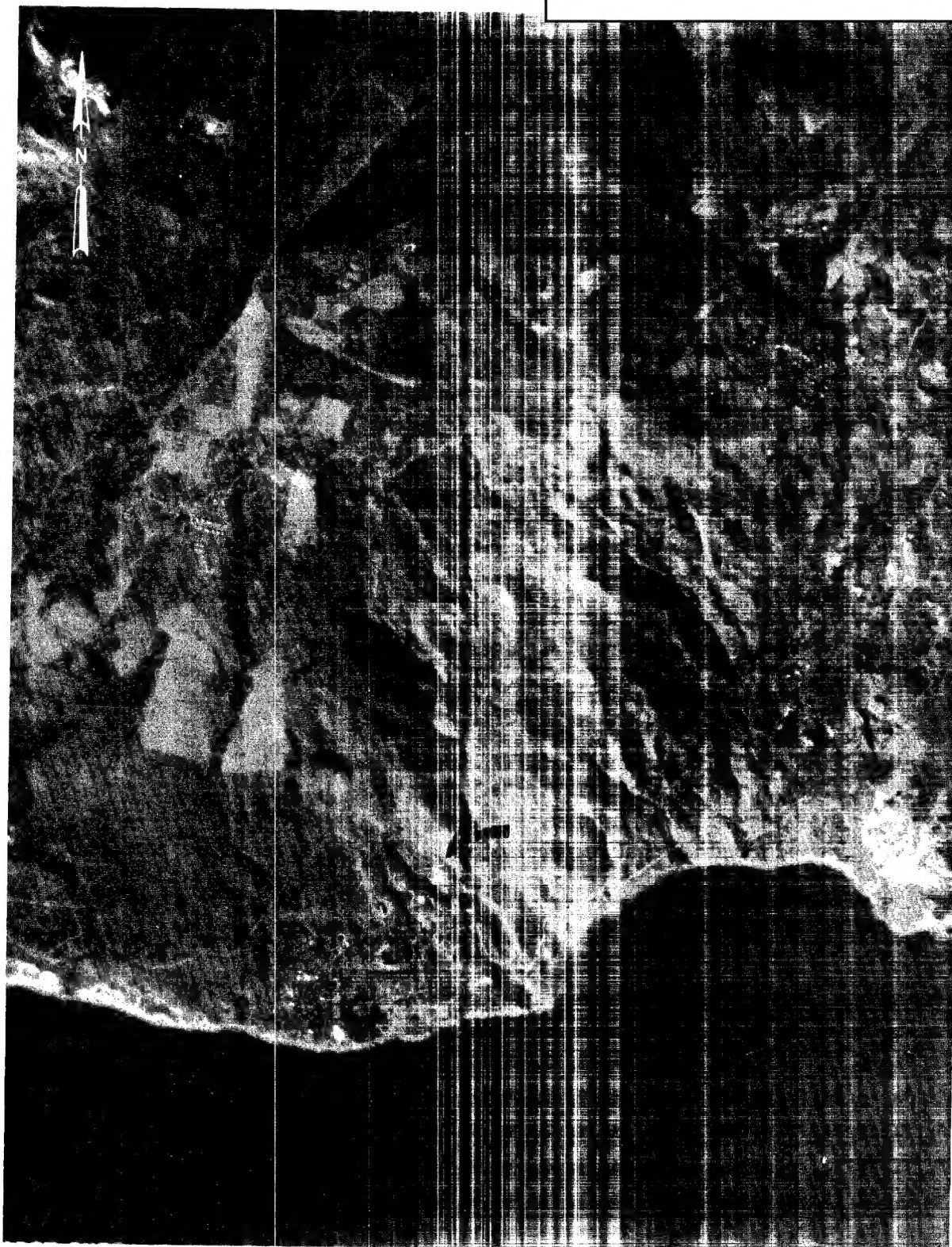


FIGURE 2. CRIMEAN ASTROPHYSICAL OBSERVATORY SIMFER ISSR

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FIGURE 3. CRIMEAN ASTROPHYSICAL OBSERVATORY, SIMEIZ, USSR

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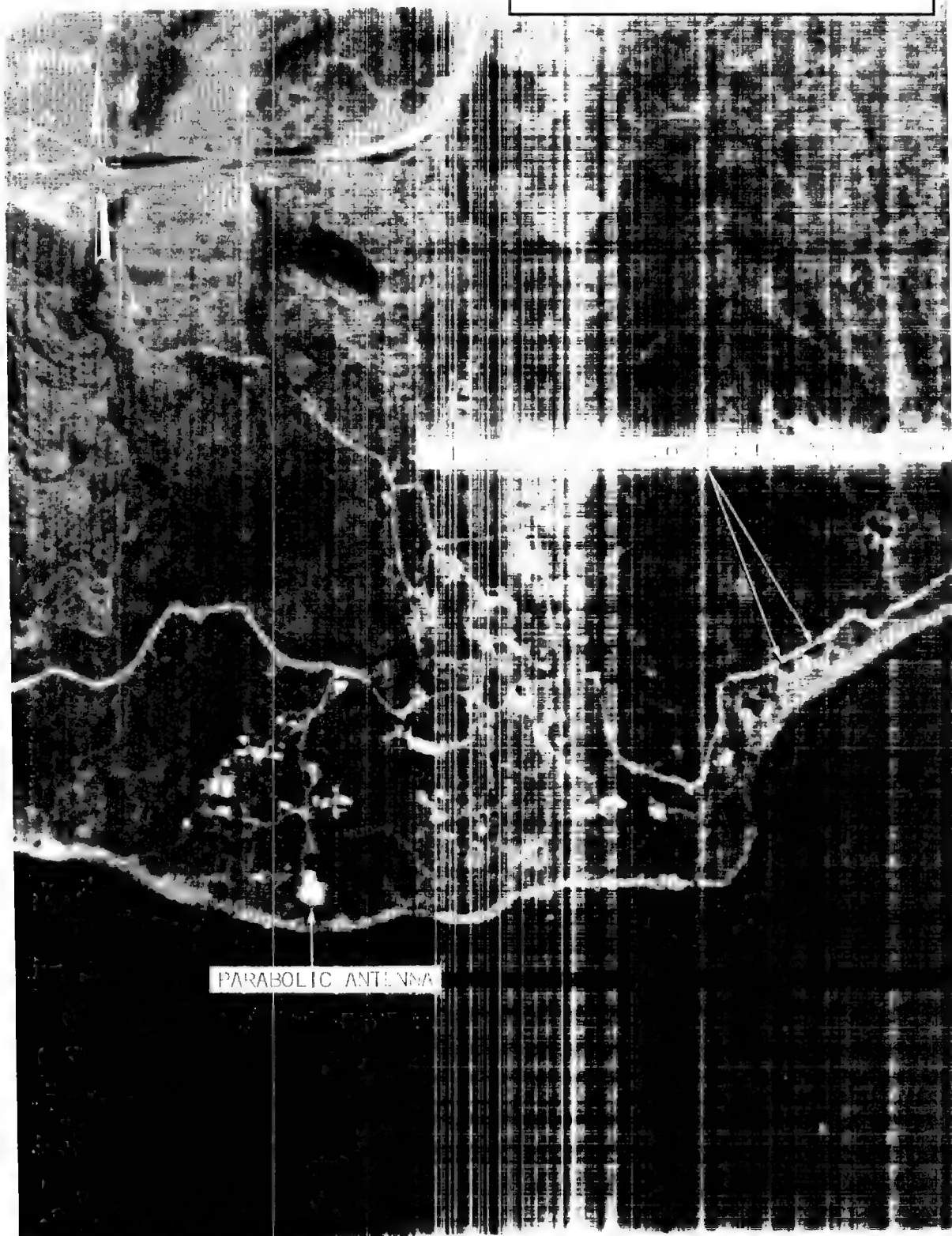


FIGURE 4. CRIMEAN ASTROPHYSICAL OBSERVATORY, MEIZ, USSR

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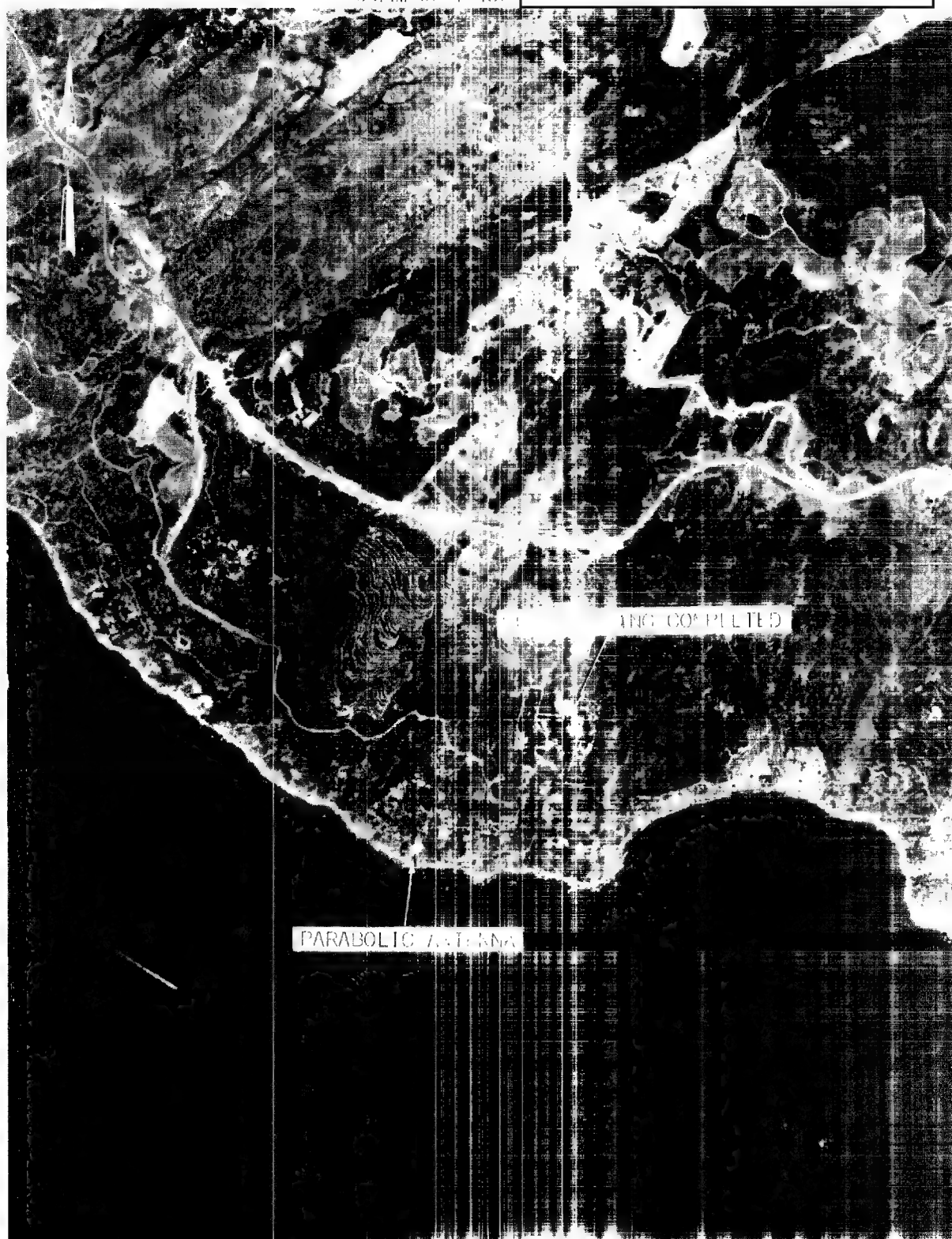


FIGURE 5. CRIMEAN ASTROPHYSICAL OBSERVATORY, SIMEIZ, USSR

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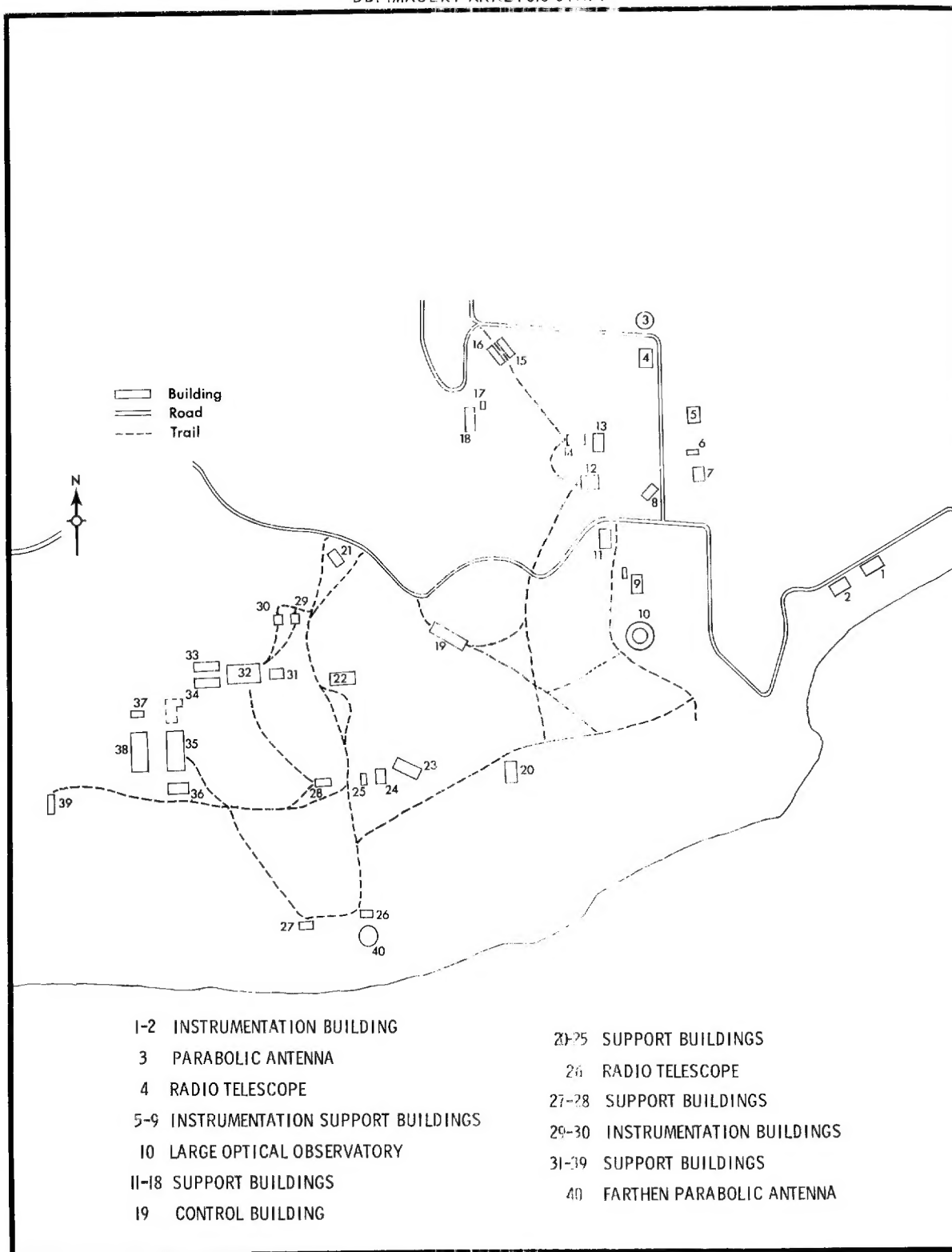


FIGURE 6. LINE DRAWING

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FIGURE 7A CRIMEAN ASTROPHYSICAL OBSERVATORY
SIMEIZ, USSR

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FIGURE 7B CRIMEAN ASTROPHYSICAL OBSERVATORY
SIMEIZ, USSR

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Maps and Charts

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25 October 1961. (SECRET)

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